

Portal 7.0: Quicksizer Parameter Input (Peak Scenario)

Save Print page Calculate result Set to final

Project VENDOR-FUTURE

Work days 220 Status In progress

Owner Customer

Method All

Documentation Hardware vendors Disclaimer

Messages

The data for PORTAL were saved.

Check input Use Default Values Long headers

Help Add: sizing guidelines (English)

SAP NetWeaver -> Enterprise Portal: Change

Table 1: Active Users - Enterprise Portal

Delete/Clear	Insert	Element	A/P	T1	Concluser *	Think t *	java IV	URL IV	% KMC	Short text
		NW-EP-ESS	A	S	14.925	360			1	ESS Worst Case Peak Scenario
		NW-EP-INT	A	S	1.031	180	2		1	MSS Worst Case Peak Scenario
		NW-EP-PCC	A	S	1.313	600			1	WINGUI / WebGUI Peak Scenario
		NW-EP-PRT	A	S						

Table 2: Active Users - Enterprise Portal Logon

Clear	Insert	Element	A/P	T1	Max. no. of logons	Short text
		NW-EP-LOG	A	H	56.250	Worst Case Peak Scenario

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Portal 7.0: Quicksizer Results (Peak Scenario)

Save

Print page

Result level

SAP solution

With charts

Details

Set to final

Documentation

Hardware vendors

Dis

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For results at different aggregation levels, choose another result level.

The system automatically saved the data for PORTAL.

Active Users for mySAP Business Solutions

Solution	Release	CPU cat.	SAPS (total)	Memory (MB)	Disk cat.	Disk (total, MB)
PORTAL*	6.0	L	10,600	35,328		0

Portal 7.0: Quicksizer Summary

- Results:
 - Normal Scenario
 - 3,000 SAPS
 - 9,984 MB Memory
 - Peak Scenario
 - 10,600 SAPS
 - 35,328 MB Memory
 - Disk – 50 GB
- Assumptions
 - Knowledge Management and Collaboration (KMC) not in scope.
 - That Peak ESS, MSS, and WinGUI/WebGUI do not / can not occur at the same time.

Quick Sizer based on version 6.0. Some additions may be needed for version 7.0 differences.

BI 7.0 Sizing Information

BI 7.0: Agenda

- Factors Affecting Sizing
- Scope
- Sizing Parameters
- HCM Baseline sizing
- HCM Historical sizing
- FI incremental sizing

Factors Affecting BI Sizing



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BI 7.0: CPU / Memory Sizing

- The main factor affecting CPU / Memory sizing is the number and type of concurrent users, these are broken down into two main user groups, BPS or planning and BI reporting and analysis. Within each of these groups there is further breakdown describing the users activity in the system.
- BPS User Groups
 - BPS User group are broken down based on their activity levels in 4 areas
 - Steps: Number of planning steps per user
 - ChngRec: Average number of records per planning step
 - Data/St: Max number of records manipulated by one step
 - Data/Usr: Max number of records a user changes simultaneously
 - The sizing tool has 3 default groups for users.
 - BPS is currently not in scope for the State of North Carolina hence no data has been entered into the tool.

BI 7.0: CPU / Memory Sizing

- BI Reporting and Analysis User Groups
 - BI Users are further differentiated based on the types of reporting and analysis performed in the system. The key criteria used for defining this activity are:
 - % predRep: Time spent on viewing predefined and static reports (%)
 - % OLAP: Time spent on OLAP analysis (%)
 - % Explr.: Time spent on Data exploration (%)
 - There are 3 types of users identified in the tool (default values):
 - BW-INFO: Information Consumer (80% predRep, 20% OLAP)
 - BW-EXEC: Executive User (50% predRep, 50% OLAP)
 - BW-POWER: Power User (100% Explr)
 - The default values for usage will be kept for this sizing exercise.

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BI 7.0: Hard Disk / Storage Sizing

- The main criteria affecting the amount of storage required for a BI system is the amount of data to be retained for on-line reporting. The amount of data can be calculated based on the design of the system (number and type of InfoProviders) and the expected number of records (annual basis) to be loaded into the system
- InfoProvider Design - The quick sizer tool uses the following design criteria for developing sizing estimates of InfoProviders
 - InfoCube sizing is based on the number of dimensions and KeyFigures contained within the cube.
 - Dimensions in HR cube (default): 10
 - KeyFigures in HR cube (default): 11
 - DataStore object sizing is based on the number of character fields and number fields contained in the DataStore structure. There are no default values in the sizing tool.
 - For the purposes of this sizing exercise a preliminary list of InfoProviders has been developed. The business content for each of these has been reviewed and the input data for dimensions, KeyFigures, numeric fields and character fields has been input into the tool.

BI 7.0: Hard Disk / Storage Sizing

- InfoProvider Data
 - The quick sizer tool calculates the number of data records based on periodic information
 - Initial Load: This is the estimated number of records which will be loaded into the InfoProvider.
 - Period. Upload.: Number of records loaded during the periodic upload process
 - Total number of uploads that will be kept in the cube
 - For this sizing exercise it was assumed there would be 3 years data loaded initially and that an additional 7 years data would be kept in the system
 - Historical PMIS data is not included in the baseline sizing. However an additional sizing effort was completed to account for history.

BI Scope

BI 7.0: HR Functional Areas

- The following HR functional areas were reviewed with the functional team leads to determine their potential applicability to BI Scope
 - In Scope for this sizing exercise
 - Payroll
 - Time Management
 - Training and Event Management
 - Personnel Development
 - Personnel Administration
 - Organizational Management
 - Personal Cost Planning and Simulation
 - Compensation Management
 - Benefits
 - Cross-Application Timesheet
 - Out of Scope
 - Objective Setting and Assessments
 - E-Recruiting
 - Enterprise Compensation Management
 - Recruitment
 - Pension Fund
 - Strategic HR
 - Learning Solution

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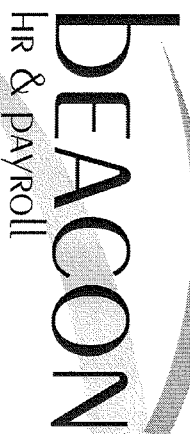
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BI 7.0: Business Content by Functional Area

- Payroll
 - DataStore Objects
 - 0PY_PP_C1: Auditing Information and Payroll Data
 - 0PY_PP_C2: Posting Documents
 - 0PY_PP_C3: Posting Documents and Auditing Information Combined
 - InfoCubes
 - 0PY_C02: Employee-Specific Payroll Data
 - 0PY_PP2: Posting Documents
 - 0PY_PPC01: Auditing Information on Postings Relevant to Cost Accounting
 - MultiProvider
 - 0PY_MC02: HR MultiCube (Time and Payroll Data)
 - Business Content Not in Scope
 - 0PY_PPC02: Auditing Info on Postings for PBC
- Time Management
 - InfoCube
 - 0PT_C01: Time and Labor

BI 7.0: Business Content by Functional Area

- Training and Event Management
 - InfoCube
 - 0PE_C01: Training and Event Management
 - Business Content Not In Scope
 - 0PE_C02: Professional Training Provider
 - 0PE_C03: Resource Reservation
- Personnel Development
 - InfoCubes
 - 0PAPD_C01: Qualifications
 - 0PAPD_C02: Appraisals
- Personnel Administration
 - InfoCubes
 - 0PAPA_C02: Headcount
 - 0PA_C01: Headcount and Personnel Actions
 - DataStore Object
 - 0PA_DS04: Employee - Education



BI 7.0: Business Content by Functional Area

- Organizational Management
 - DataStore Objects
 - 0PA_DS02: HR Structural Authorizations – Values
 - 0PA_DS03: HR Structural Authorizations – Hierarchy
 - InfoCube
 - 0PAOS_C01: Staffing Assignments
- Personal Cost Planning and Simulation
 - InfoCube
 - 0PACP_C01: Personnel Cost Plans
 - 0PACP_C02: Planned Personnel Costs Per Cost Object
 - MultiProvider
 - 0PAC_MC01: Plan / Actual Comparison of Personnel Costs

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BI 7.0: Business Content by Functional Area

- Compensation Management
 - InfoCubes
 - 0PACM_C01: Compensation Analyses
 - 0PACM_C02: Adjustments
 - 0PACM_C05: Personnel Cost Planning
 - Business Content not in Scope
 - 0PACM_C03: Awards
 - 0PA_DS01: Security Prices
- Benefits
 - InfoCube
 - 0PABN_C01: Benefits